

-1- (WPAT)

ACCESSION NUMBER

75-21292W/13

TITLE

Mercury-contg. zinc dust prodn. for e.g. pressed electrodes - by mixing mercury into the melt and atomising

DERWENT CLASSES

L03 M22 P53 X16

PATENT ASSIGNEE

(LEYB) METALLURGIE HOBOKEN OVERPELT

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BE-819926 A 75.03.17 (7514)
NL7411786 A 75.03.21 (7514)
NO7403119 A 75.04.14 (7520)
FR2244272 A 75.05.16 (7525)
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IT1021318 B 78.01.30 (7819)
CA1037295 A 78.08.29 (7837)
US4104188 A 78.08.01 (7847)
DE2441356 C 84.04.05 (8415)

SECONDARY INT'L. CLASS.

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ABSTRACT

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Zinc dust is made by incorporating mercury in molten (un)alloyed zinc, homogenizing the melt and pulverizing e.g. by atomisation in a gas stream. Process is used for the prepn. of pressed electrodes for batteries. It is necessary to include mercury in zinc battery electrodes to reduce the escape of H₂ (the loss of which lowers the battery capacity). Amalgamation, which is an expensive and delicate process, is avoided and a more homogeneous distribution of mercury in the zinc dust is achieved by incorporating (part of) the mercury into the melt.